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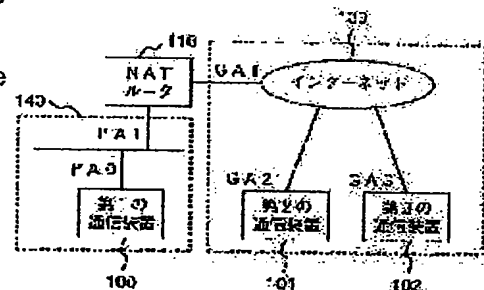
(54) COMMUNICATION METHOD AMONG IP NETWORKS WITH DIFFERENT ADDRESS SPACES, AND DEVICE WITH GLOBAL IP ADDRESS

(57)Abstract:

PROBLEM TO BE SOLVED: To attain IP packet communication among communication devices, even when IP address information of the communication devices is included in a data part of an IP packet and the IP packet is transmitted for new communication, in the case of IP packet communication such as Internet phone application and Internet telephony gateway between the communication device, having a private IP address and the communication device, having a global IP address.

SOLUTION: A sender global IP address is attached to a header of an IP packet from a communication device, having a private IP address and the resulting packet is sent to a device with a global IP address via a private network. The device, with the global IP address receiving the IP packet creates an IP packet including the sender global IP address at the data packet of the received IP packet, transmits the IP packet to the communication device with the private IP address, to enable the communication device to recognize the global IP address assigned to itself at an application level.

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